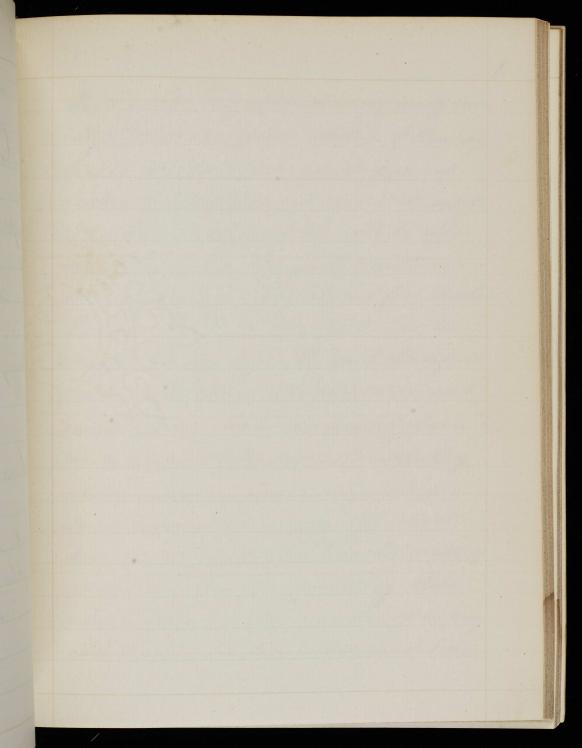
An Ossay On Diseases of the Ohest Respectfully submitted to the Faculty of the Momoropathic Medical College Tomsylvanies On the 31 day of Samury Eighteen hundred of ifty four Ongil Dare of Hen Gersey



In presenting myself to the very worthy Faculty of the Homoeopathic College of Pennsy brain as a candidate for the degree of Doctor of Medicine; it cannot be expect ed that I should be able to offer anything new connected with our beloved science. The stand point which I have hithesto occupied has been Comparatively humble, and the opport unities afforded me for observation and investigation. have necessarily been un a considerable degree limited. My Studies having been confined to the More general principles of medical Acience, no particular has claimed my attention, but the mitiatory steps which I have taken under your very able teachings have introduced me

to a field of inequiry, boundless in its extent, and happy and honovable in its sewards. The more I observe the practical effects of the law "Similia Similabus Curanter" as applied to the cure of disease; the more am I impressed with its perfect a dap tation to accomplish the end proposed: and to do something towards adoming and embellishing the great temple of Medical science, whose foundation was laid by the immortal Hahnemann. and his colaborers, thall be among the loftiest purposes of my life. The subject I have chosen as the theme of my essay, is the Symptoms and Sensible signs of diseases of the Chest; affections which are not only insidious and inveterate in their

character, but formidable in their results The great importance of understanding the nature of thoracic diseases, will be evident when we consider the great Insportion of diseases of this class that go to swell the aggregate of human suffering, In ascertaining the nature of these diseases there are three distinct heads under which we shall attempt to describe them, First general symploms: by which is meant the effect of local diseases on the constitution, or the constitutional symptoms. Thus one of the most important of this class is the existence of fever, manifested by the presence of a hot skin, disturbed State of the Julae &C. Again the particular four of fever is an important

quide. For instance in different species of affections, different degrees of fever will exist. In ordinary inflammation of the branchial membrane but little fever will be present, and this generally subsides in a very short time, while in premiona there is much more febrile excitement, with pain in the chest, cough, musty expectoration, and dysproed. In inflammation of the pleura there is usually a great deal more present than in either of the other two. Again the fever will not always bear the same character, som etimes it is of the Kind denominated Continuous fever, where the chills which usher it in. subside after a day or two, and it then continues

without intermiseion until the Convalescence of the patient, This kind of fever is generally found accompan ying active inflammation of the Thoracie organs, sometimes in brown chitis, but more particularly in prien monia and pleurisy, Again there is Sometimes present a very unequelar form of fever, with more or less of chills during the day, followed at night by heat of skin, and towards morning subsiding into profuse pers. furation. This is he etic fever, and inclicates suppenation of the lungs, or profound deep seated initation. In ordinary cases of pleuring the patient will always be hot, but more so at night than at any other time; this

will subside after a time, and if the secovery is perfect will not return. But occasionly after a lapse of some time, the patient will again experience rigors with heat and night hweats, which indicate a tendency to supportion, or that the matter which was thrown out during the early period of inflarimation, has been converted into Jus, and thus fills up the pleura. Again in phthisis and tubercular diffsculties, great emaciation and loss of strength are the first symptoms; but in cases of branchitis these sympt oms do not exist, and thus they become very unportant in establishing, a Correct diagnosis in thoracie diseases. There is another set of symptoms

which differ from the constitutional. These are the national symptoms; perversions of the healthy or physi-Alogical action of the thoracie organs. Among the most prominent of these is cough, which is induced by init ation in some part of the air pass a ges. Cough may be either a nessous affection, or the result of initation, or it may be a secondary affection, Caused by the imitation of some disease in a remote organ, The kind of cough thus becomes an important Consideration, and as a general sule the louder and more striking it is the less dangerous it is to the patient. I trifling mer gruficant cough is much more serious than a loud

sational symptoms may be included respiratory movements of the chest. On a healthy adult. when free from excitement, and perfectly quiet as during sleep the inspivectory and efficatory movements each average about eighteen in a minte, In children they are more frequent, In a child from Six mouths to a year old they will average truenty four or twenty six times in a minute. But they are hable in both adult and child to be accelerated from various Causes; And when this acceleration is present in connection with other symptoms, it often indicates sewere disease of the lungs. The par-

ticular Kinel of acceleration is not alone diagnostic but also the pait-icular! Thus one side of the chest may more very rapidly, and the Emor other not, This would show that there was effusion in one side and not in the other. In other affections the respiration insted of becoming accelerated, becomes innegular, this generally is connected with a low and exhausted state of the system, as in typhoid fever, and hysteria, where it is sometimes Slower than usual, and at other times more rapid. Where the inegularities in the respiration take place the general inference to be deduced is that there does not exist, any

Serious disease of the lungs, for were there any permanent cause present to affect the respiration the effect would be permanent. The now come to a third class which are equaly as important as the previous ones. these are denominated the physical signs, and are explained by physical laws alove. The same laws of physics that apply to dead matter, and that have a like sufference over derimal matter without any special reference to the physiological condition of the organs. In examining patients it is best to strip them. This is always feasible with male patients, but not so with females, who may be covered with a loose gown, through which

the examination may be conducted; but with male patients it is always best to expose their chests, in order to observe if there is any change of shape to be discovered. This is very important, for we may find one side larger than the other, which is judice ative of an accumulation of fluid there; or if one side be muraturally small it may be owing to previous pleurisy, in which the effusion has been absorbed, and the side has bee one contracted, owing to the adhesions which bind down the lung. Again in emphysema a part may project in Consequence of the dilatation of the lung, so an effusion into the perecardium may cause a bulging.

Grow the artificial course of life pursued in cities, we will find that among those who reside in their few have symmetrical chests. They generally have an enlargement about the precordia, and sometimes a slight curvature of the spine. These defounities being the effects of habits, must not be considered in connection with the question now under discussion, The most marked cases where these deformities are present, are in richeto, where there is no pulmonary trouble, One way of distinguishing these deformities from those caused by internal pressure, is; Where the bulging is caused by invature of the spine, the intercostal spaces

are depressed, but where it caused by internal disease they are pushed out more than the ribs, This is a reasonable mode of distinguishing these different barieties. Another physical sign connected with the chest, is the resonent sound of its prasecties, which is ascen tained more certainly by percussion. The elasticity of the franctics, varies at different periods of life; it is greater in youth than in age, when the Cartilages have become more ossified, and of course less yielding The natural resonence of the chest is only to be recognissed by long practice; and to determine it we resort to percussion. The chest being filled with air, and having clastic

parieties will of course resound on hercussion. There have been various modes adopted, such as an wory plate and hammer & c, but the best plejuneter is the two first fingers of the left hand, percussing with the first and second fingers of the right. This will give a perfect idea of the elasticity of the walls of the thorax; and of the reson ence of the internal viscera. A clear sound cannot be drawn from the chest by force; it is to be obtained by a smart sharp tap, made by moving the wist only while the Shoulder remains fixed. No two chesto sound precisly alike, and the best gride to the physician, is to compare the sounds of apposite partions of the chest.

Thus though two cheets may differ, yet the opposite portions of the same chest, must if healthy give out conresponding sounds. If on one sidewe perceive a dull sound, and on the other a clear strong one it is indi-Cative of disease. Inother surportant consideration is the circumstances Modefying the sound. First the degree of fat that may be present, this an melastic body and does not readily transmit sound, Lecoud the thickness of the muscular substance that may interfere, for instance over the pectoralis Major Mucho, or over the spine of the scapula, there will be but little sound on percussion, Third due allowance must be made for the

Modification of sound produced by organs that are found in one side of the body and not in the other. Again the hower of transmitting, Sound in muscular tissue depends very much on its degree of tension. When relaxed it is a very indifferent one, while when tense, it becomes a tolerably good conductor. It is necessary to be very exact in these examinations: and for this purpose we would observe the following rules, First-to percuse moderately and equally, second to make the muscles of both sides equally tense. Third always to compare the Sounds of the opposite sides, Another mode of diagnosing thoracie disease is auscultation. By this we muterotand listening to the sounds in the

chest, by means of the ear or an instsurrent. This is said to be an ancient mode of examination, but we believe we are indebted to danne for the first practical use of auscultation proper; so much so indeed, that but very little has been adeled to it since his time. Lanner used the stethoscope, but I believe the ear itself is now recommended instead of that instrument, There may be some circumstances under which a direct application of the ear to the chest of the patient might not be desirable, or proper; but there we think should form the only exceptions. There is however one advantage in the use of the Stethoscopie which is that it is useful where you

wish to localize a sound, in a Spot where the lar would cover too much space; for instance in obtaining the sound of small cavities, the lar would take in the surrounding Sounds, and thus produce Confusion and uncertainty. In listen my to the action of the lungs, what will we observe? At the commencement of the act of suspiration, the air sushing into the lungs, finds the vesicles Contracted, and more or less emply; as the air enters these vesicles, elastic and yielding in their nature, they become distended at the same time that the entering air passes over their smooth internal surfaces. thus producing a soft expansive nurmer. During effication there is

a sudden stoppage of this mumer. This is because effication is a much less forcible act than inspiration; the former being more a passive mechameal act, while the latter is more the nesult of direct effort. In listening to the sounds of the heart a difference will be perceived between the action of this organ and that of the lungs. In the action of the heart we have two distinct sounds, the first twice as long as the second: these are followed by a pause, corresponding in length to the second sound of the heart. The first sound is caused chiefly by the contraction of the vew tricles, and the closing of the auriculo ventricular values, and the

propulsion of blood into the arteries. The second sound is mainly due to the sudden toghtning of the sem ilunar valves, when they are present down across the orifice of the aosta and pulmonary artery. The pance is caused by the passive condition of the organ, after these two actions. These sounds have been said by some, to resemble the words love done? This would give us a very good idea of what we should effect to hear in the normal action of the heart, Now let us see what we would effect to find in an abnormal condition of the thoracic organs, during a few of the many diseases to which They are liable, And first in preum-

oma; this is and inflammatory disease modering the substance of the lungs. The first symptoms are a sense of cold, or a well marked chill; fallowed by heat and inflammatory reaction, prostration of strength xc. To rational signs are pain in the Chest, cough, and dysproca, The pain is the result of concountant inflamme ation of the pleura; this is referable to one shot just over the nipple; it feels as if a knife were mu into the side, and is increased by pressure and by a full suspiration, There is more or less cough, this is to be expected, as bronchitis is usually the concountant of pneumonia, The cough is suppressed and painful

because it cannot take place with out furthing the plema whom the stretch. but in simple branchitis the cough is loud and ringing, Another symptom is dysproca; this is easily accounted for Brathing is for the purpose of orfigenoing the blood. If the dan count enter the lungs in due quantity, or if the blood is sent through the lungs with musual rapidity, the necessity for rapid oxygenation, and for full and rapid breathing increases. The difficulty mereases with the mogress of the disease; inspiration is imperfectly performed in consequence of the increase of pain, which an attempt to fill the lungs cre ates, and hence the breathing becomes

Short and more frequent. If we examine the chest in the region of the pain, we will have duliness on percussion; this is because the air does not enter freely suto the lungs, If the patient takes a long inspiration a crepitant raltle will be he and toward the end of in spiration; this in dicates inflammatory congestion of the lings, and of course there will be more or less condeusation as the disease advances. The effication which in health is quite short, now becomes prolonged until finally it is as distinct as the mapiration. Both the respiratory sounds became harsh loosing the vesicular Character and finally assuming the dry blowing sound of branchial respiration

which is an unfavorable symptoms. Another symptom of premioria is the expectoration; this is usually a viscicl lumpy, and extremely tenacious nucus, of harious shades of color, often of a dingy brick red or rusty hue, which changes into a unco-fundent or brown fluid, and in the latter stages of the disease, into a white or yellow matter streaked with blood, and less tenacions in its consistency. Very closely allied to and often connected with preumania. We have pleurisy. This Consists strictly of an inflammation of the plema with a disposition to the effusion of plastic lymph. felling up the cavity of the thorax. and thus producing, compression of the

lungs. It is attended with fever, pain in the side, cough, and dyspnoea, dullness on percussion according to the extent of the disease. Some of the differences between pleuriez and from moria, are: in the former the cough is commonly dry, the pain acute and Superficial, micreased by percussion, by inspiration and conghing in fureumonia on the contrary the cough is moist, the pain is deep seated and abtuse with a sense of suffication and oppression. In pleurisy we rarefler blood mixed with the limited expectoration. In preumania it is very common, and the expectoration is very about dant. In pleuring on percussion the dullness is more in the depending

portion of the thorax, the respiration is very indistinct, but sometimes the friction between the plema may be heard. On pneumonia the respiration is loud and habored, with symptoms of extreme suffocation. Thus we might go on to an indefinite length and give the distinct characteristics of other diseases of the lungs; for they exist in great burietz, all marked by some external symptom, by which they can be distin guished and analyzed, but still mining into each other in such meensible gradations, that it requises the nicest discrimination to unravel the mysteries of these diseases in all their camplicated forms. Then too there is another class of diseases of the

thorax to which we have barely alluded, which ought to claim a consider erable share of our attention. These are dise ases of the heart; considering the intimate relation which this organ sustains to the human economy, a knowledge of its diseases, and their external manifestations, becomes of the very first importance to physicians. Now if as we believe, it is true that nature in her boundless resources has a specific homoeopathic remedy for evry organ, tissue, and fibre of the human economy, we have some idea of the vactures of the field of unestigation which is papiead out before us, into which we soon hope to enter